

FORM PTO-1449(Modified)		ATTY. DOCKET NO.	I0254/7008	SERIAL NO. 08/950,542
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		APPLICANT Bachovchin, et al.		
		FILING DATE	October 15, 1997	GROUP <del>100</del> 1654

DEC 24 1997

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## U.S. PATENT DOCUMENTS

Ref. No.	Document No.	Date	Name	Class	Sub Class	FILING DATE If Appropriate
A1	4,318,904	03/09/82	Shaw et al.	424	177	04/25/80
A2	4,443,609	04/17/84	Oude Alink et al.	548	111	05/19/80
A3	4,499,082	02/12/85	Shenvi et al.	514	2	12/05/83
A4	4,582,821	04/15/86	Kettner et al.	514	18	11/16/83
A5	4,636,492	01/13/87	Kettner et al.	514	18	08/29/84
A6	4,644,055	02/17/87	Kettner et al.	530	330	12/17/84
A7	4,652,552	03/24/87	Kettner et al.	514	18	09/10/84
A8	4,935,493	06/19/90	Bachovchin et al.	530	331	10/06/87
A9	4,963,655	10/16/90	Kinder et al.	530	531	05/27/88
A10	5,093,477	03/03/92	Mölling et al.	530	328	12/13/89-C
A11	5,187,157	02/16/93	Kettner et al.	514	18	04/06/88-CIP
A12	5,215,926	06/01/93	Etchells, III et al.	436	501	12/17/90-CIP
A13	5,242,904	09/07/93	Kettner et al.	514	18	03/09/92-CIP
A14	5,250,720	10/05/93	Kettner et al.	558	288	03/09/92-CIP
A15	5,288,707	02/22/94	Metternich	514	19	01/29/93-C
A16	5,296,604	03/22/94	Hanko et al.	546	169	04/15/92
A17	5,378,624	01/03/95	Berenson et al.	435	239	04/23/90
A18	5,384,410	01/24/95	Kettner et al.	548	405	03/24/93
A19	5,444,049	08/22/95	de Nanteuil et al.	514	18	02/22/94-C
A20	5,462,928	10/31/95	Bachovchin et al.	514	19	07/15/93
A21	5,506,130	04/09/96	Peterson et al.	435	240.1	03/30/95-CIP
A22	5,527,923	06/18/96	Klingler et al.	548	570	05/04/95
A23	5,543,396	08/06/96	Powers et al.	514	19	04/28/94
A24	5,554,728	09/10/96	Basava et al.	530	327	07/23/91
A25	5,635,386	06/03/97	Palsson et al.	435	372	11/02/94-CIP
A26	5,635,387	06/03/97	Fei et al.	435	378	04/03/95-CIP
A27	5,646,043	07/08/97	Emerson et al.	435	373	03/10/95-CIP

EXAMINER	<i>Daniel Luton</i>	DATE CONSIDERED	<i>3/25/98</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

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## FOREIGN PATENT DOCUMENTS

Country & Doc. No. (11)	Pub Date (43)		Class	Sub Class	Translation
					Yes No
B1 DD158109	12/29/82	Fischer et al.			X
B2 DD270382A1	07/26/89	Neubert et al.			
B3 DD296075A5	11/21/91	Neubert et al.			
B4 EP 0356223A2	02/28/90	Desolms et al.			
B5 EP 0371467A2	06/06/90	Kleemann et al.			
B6 EP 0420913B1	11/15/95	Zimmerman et al.			
B7 EP 0471651A2	02/19/92	Metternich			
B8 EP 0481311A2	04/22/92	Dorsch, et al.			X
B9 EP 0615978A1	09/21/94	de Nanteuil et al.			X
B10 EP 0688788A1	12/27/95	de Nanteuil et al.			X
B11 WO89/03223	04/20/89	Bachovchin et al.			
B12 WO91/16339	10/31/91	Bachovchin et al.			
B13 WO92/12140	07/23/92	Powers			
B14 WO92/17490	10/15/92	Hester et al.			
B15 WO93/02057	02/04/93	Carr et al.			
B16 WO93/05011	03/18/93	Cottens et al.			
B17 WO93/08259	04/29/93	Bachovchin et al.			
B18 WO93/10127	05/27/93	Snow et al.			
B19 WO93/16102	08/19/93	Morimoto et al.			
B20 WO94/03055	02/17/94	Takacs, et al.			
B21 WO94/09132	04/28/94	Morimoto et al.			
B22 WO94/20526	09/15/94	Cook et al.			
B23 WO94/28915	12/22/94	Hovanessian et al.			
B24 WO94/29335	12/22/94	Antonsson, et al.			
B25 WO95/11689	05/04/95	Bachovchin			
B26 WO95/15309	06/08/95	Jenkins et al.			
B27 WO95/12618	05/11/95	De Meester et al.			
B28 WO95/29190	11/02/95	Hovanessian et al.			
B29 WO95/34538	12/21/95	Augustyns et al.			
B30 WO96/40858	12/19/96	Armstrong et al.			
B31 WO96/40263	12/19/96	Berninger et al.			

EXAMINER (Signature)

DATE CONSIDERED 2/17/98

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		APPLICANT Bachovchin et al.	
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(Including Author, Title, Date, Pertinent Pages, Publication, Etc.)

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C2	Cordes, E., et al., "TRANSITION STATES FOR HYDROLYSIS OF ACETALS, KETALS GLYCOSIDES, AND GLYCOSYLAMINES", Chapter 11, Pp. 429-465
C3	Thompson, R., "USE OF PEPTIDE ALDEHYDES TO GENERATE TRANSITION-STATE ANALOGS OF ELASTASE", <i>Biochemistry</i> , (1973), 12:1:47-51
C4	Baugh, R., et al., "PROTEINASES AND TUMOR INVASION", (1980), 165:157-179
C5	Bodanszky, M., "PRINCIPLES OF PEPTIDE SYNTHESIS", Springer-Verlag, (1984), Volume 16
C6	Bodanszky, M., "THE PRACTICE OF PEPTIDE SYNTHESIS", Springer-Verlag, (1984), Volume 21
C7	Matteson, D., et al., "SYNTHESIS AND PROPERTIES OF PINANEDIOL $\alpha$ -AMIDO BORONIC ESTERS" <i>Organometallics</i> , (1984), 3:1284-1288.
C8	Powers, C., et al., "ELASTASE INHIBITORS FOR TREATMENT OF EMPHYSEMA - NHLBI WORKSHOP SUMMARY" <i>US Dept. of Health and Human Services</i> , (1985), 1097-1100
C9	Yoshimoto, T., et al., "COMPARISON OF INHIBITORY EFFECTS OF PROLINAL-CONTAINING PEPTIDE DERIVATES ON PROLYL ...", (1985), 98:975-979
C10	Kettner, C.A., et al., "KINETIC PROPERTIES OF THE BINDING OF ALPHA-LYTIC PROTEASE TO PEPTIDE BORONIC ACIDS", <i>Biochemistry</i> , (1988), 27:7682-7688.
C11	Tam, J.P., "SYNTHETIC PEPTIDE VACCINE DESIGN: SYNTHESIS AND PROPERTIES OF A HIGH-DENSITY MULTIPLE ANTIGENIC PEPTIDE SYSTEM", <i>Proc Natl Acad Sci U S A</i> , (1988), 85:5409-5413.
C12	Bailey, P.D., "AN INTRODUCTION TO PEPTIDE CHEMISTRY", Wiley Publishers, (1990), 1-81
C13	Kettner, C. A. and Shenvi, A. B. "PEPTIDE BORONIC ACID INHIBITORS OF TRYPSIN-LIKE PROTEASES. THEIR
C14	Bachovchin, W.W., et al., "INHIBITION OF IGA1 PROTEINASES FROM NEISSERIA GONORRHOEAE AND HEMOPHILUS INFLUENZAE BY PEPTIDE PROLYL BORONIC ACIDS", <i>J Biol Chem</i> , (1990), 265: 3738-3743.

C15	Kinder D.H., et al., "ANALOGUES OF CARBAMYL ASPARTATE AS INHIBITORS OF DIHYDROOROTASE: PREPARATION OF BORONIC ACID TRANSITION-STATE ANALOGUES AND A ZINC CHELATOR CARBAMYLHOMOCYSTEINE", <i>J Med Chem.</i> , (1990), 33:819-823.
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C17	Schon, E., et al., "DIPEPTIDYL PEPTIDASE IV IN THE IMMUNE SYSTEM", <i>Biol Chem Hoppe-Seyler.</i> , (1991), 372:305-311.
C18	Kubota, T., et al., "INVOLVEMENT OF DIPEPTIDYL PEPTIDASE IV IN AN IN VIVO IMMUNE RESPONSE", <i>Clin Exp Immunol.</i> , (1992), 89:192-197.
C19	Gutheil, W.G., et al., "SEPARATION OF L-PRO-DL-BOROPRO INTO ITS COMPONENT DIASTEREOMERS AND KINETIC ANALYSIS OF THEIR INHIBITION OF DIPEPTIDYL PEPTIDASE IV. A NEW METHOD FOR THE ANALYSIS OF SLOW, TIGHT-BINDING INHIBITION", <i>Biochemistry.</i> , (1993), 32:8723-8731.
C20	Kelly, T.A., et al., "IMMUNOSUPPRESSIVE BORONIC ACID DIPEPTIDES: CORRELATION BETWEEN CONFORMATION AND ACTIVITY", <i>J Am Chem Soc.</i> , (1993), 115:12637-12638.
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C22	Subramanyam, M., et al., "MECHANISM OF HIV-1 TAT INDUCED INHIBITION OF ANTIGEN-SPECIFIC T CELL RESPONSIVENESS", <i>J Immunol.</i> , (1993), 150:2544-2553.
C23	Demuth, H.U., et al., "DESIGN OF (OMEGA-N-(O-ACYL)HYDROXY AMID) AMINODICARBOXYLIC ACID PYRROLIDIDES AS POTENT INHIBITORS OF PROLINE-SPECIFIC PEPTIDASES", <i>FEBS Lett.</i> , (1993), 320:23-27.
C24	Janeway, C., et al., "IMMUNOBIOLOGY - THE IMMUNE SYSTEM IN HEALTH AND DISEASE", <i>Current Biology LTD.</i> , (1994), Chapter 12, pp 1-35
C25	Brady, L., and Dodson, G., "REFLECTIONS ON A PEPTIDE", <i>Nature.</i> , (1994), 368:692-693.
C26	Nicola, N., et al., "GUIDEBOOK TO CYTOKINES AND THEIR RECEPTORS", <i>Sambrook and Tooze Publication.</i> , (1994). Pp. 1-257
C28	Perstorp Biotech Company, "MOLECULAR BIOLOGY CATALOG", (1994)
C30	Jameson, B.A., et al., "A RATIONALLY DESIGNED CD4 ANALOGUE INHIBITS EXPERIMENTAL ALLERGIC CYTOKINE PATTERNS DURING THE PROGRESSION TO AIDS", <i>Nature.</i> , (1994), 368:591-594
C30	Seed, B., "MAKING AGONISTS OF ANTAGONISTS", <i>Chemistry &amp; Biology.</i> , (1994), 1:125-129

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	C32	Sudmeier, J.L., et al., "SOLUTION STRUCTURES OF ACTIVE AND INACTIVE FORMS OF THE DP IV (CD26) INHIBITOR PRO-BOROPRO DETERMINED BY NMR SPECTROSCOPY", <i>Biochemistry</i> , (1994), 33:12427-12438.
	C33	Kubota, T., et al., "DIPEPTIDYL PEPTIDASE IV (DP IV) ACTIVITY IN SERUM AND ON LYMPHOCYTES OF MRL/Mp- <i>lpr/lpr</i> MICE CORRELATES WITH DISEASE ONSET", <i>Clin Exp Immunol</i> , (1994), 96:292-296.
	C34	Snow, R.J., et al., "STUDIES ON PROLINE BORONIC ACID DIPEPTIDE INHIBITORS OF DIPEPTIDYL PEPTIDASE IV: IDENTIFICATION OF A CYCLIC SPECIES CONTAINING A B-N BOND", <i>J. Am. Chem Soc</i> , (1994), 116:10860-10869.
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	C37	Schmitz T, et al., "POTENTIATION OF THE IMMUNE RESPONSE IN HIV-1+ INDIVIDUALS", <i>J Clin Invest</i> , (1996), 97:1545-1549.
	C38	Aguila, H.L., et al., "FROM STEM CELLS TO LYMPHOCYTES: BIOLOGY AND TRANSPLANTATION", <i>Immun Rev</i> , (1997), 157:13-40.
	C39	Dupont, B., "IMMUNOLOGY OF HEMATOPOIETIC STEM CELL TRANSPLANTATION: A BRIEF REVIEW OF ITS HISTORY", <i>Immun Rev</i> , (1997), 157:5-12.
	C40	Bodansky, M., "PEPTIDE CHEMISTRY, A PRACTICAL TEXTBOOK", <i>Springer-Verlag</i> , (1988) 1-9.
	C41	Boros, L.G., et al., "FLUOROOLEFIN PEPTIDE ISOSTERES-TOOLS FOR CONTROLLING PEPTIDE CONFORMATIONS", <i>Tetrahedron Letters</i> , (1994), 35:6033-6036.
	C42	Goodman, M., and Chorev, M., "ON THE CONCEPT OF LINEAR MODIFIED RETRO-PEPTIDE STRUCTURES", <i>Accounts of Chemical Research</i> , (1979), 12:1-7.
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O P E JAN 12 1995 PATENT & TRADEMARK OFFICE	C46	Zimmerman, D.H., et al., "IMMUNIZATION WITH PEPTIDE HETEROCONJUGATES PRIMES A T HELPER CELL", <i>Science</i> , (1994), 265:112-112.
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	C47	Welch, J.T., and Lin J., "FLUOROOLEFIN CONTAINING DIPEPTIDE ISOTERES AS INHIBITORS OF DIPEPTIDYL Peptidase IV (CD26)", <i>Tetrahedron</i> , (1995), 52:291-304.
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	C50	Hegen, M., et al., "FUNCTION OF DIPEPTIDYL PEPTIDASE IV (CD26, TP103) IN TRANSFECTED HUMAN T CELLS", <i>Cell Immunol</i> , (1993), 146:249-260. (Abstract)
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	C52	Tanaka, T., et al., "THE COSTIMULATORY ACTIVITY OF THE CD26 ANTIGEN REQUIRES DIPEPTIDYL PEPTIDASE IV ENZYMATIC ACTIVITY", <i>Proc Natl Acad Sci U S A</i> , (1993), 90:4586-4590. (Abstract)
	C53	Tanaka, T., et al., "CLONING AND FUNCTIONAL EXPRESSION OF THE T CELL ACTIVATION ANTIGEN CD26", <i>J Immunol</i> , (1992), 149:481-486. (Abstract)
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	C56	Mittrucker, H.W., et al., "THE CYTOPLASMIC TAIL OF THE T CELL RECEPTOR ZETA CHAIN IS REQUIRED FOR SIGNALING VIA CD26", <i>Eur J Immunol</i> , (1995), 25:295-297. (Abstract)
	C57	Morimoto, C., et al., 1F7 "A Novel Cell Surface Molecule, Involved In Helper Function Of CD4 cells", <i>J. Of Immunol</i> , 143:34030-3439 (1989) and published erratum appears in <i>J. Immunology</i> 144 (5):2027 (Mar. 1990). Abstract.
	C58	Barton, R.W.J., et al., "Binding Of The T Cell Activation Monoclonal Antibody Tal To Dipeptidyl Peptidase IV", <i>J. Of Leukocyte Biology</i> 48:291-296 (1990). Abstract.
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		triggering Of Cytotoxic T Lymphocytes And NK Cells Via The Tp103 Pathway Dependent On the Expression Of The T Cell Receptor CD3 Complex", <i>J. Of Immunol</i> , 141:1113-1117. (Abstract)
	C62	Hegen, M., et al., "The T Cell Triggering Molecule Tp103", <i>J. Immunol</i> , 149:367-372. (Abstract)

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C 64	Tanaka, T., et al., "Cloning And Functional Expression Of The T Cell Activation Antigen CD26", <i>J. Of Immunol Immunol.</i> 149: 481-486 (1992); published erratum appears in <i>J. Immunol.</i> 50(5): 2090 (Mar. 1993). Abstract.
C 65	Heins, J., et al., "Mechanism Of Proline-Specific Proteinases: (I) Substrate Specificity of Dipeptidyl Peptidase Peptidase IV From Pig Kidney And Proline-Specific Endopeptidase From Flavobacterium Meningosepticum", <i>Biochimica Et Biophysica Acta</i> 954:161-169 (1988). Abstract.
C 66	Schon, E., et al., "Dipeptidyl Peptidase IV In The Immune System. Effects of Specific Enzyme Inhibitors On On Activity Of Dipeptidyl Peptidase IV And Proliferation Of Human Lymphocytes", <i>Biological Chemistry Hoppe Seyler</i> 372:305-311 (1991). Abstract.
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C 89	Hart, et al., <i>Pharmaceutical Biotechnology</i> 6:821-845 (1995). Abstract.
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EXAMINER <i>David Sutton</i>	DATE CONSIDERED <i>3/25/98</i>
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